

CWSF 2009 - Winnipeg, Manitoba



Butterfly Power

Division: Engineering & Computing Sciences / Environmental Innovation

Category: Junior

Region:

City: ,

School:

Abstract: A comparison of the hexagonal cells modeled after the Papilio butterfly wings and a parabolic panel were observed. Models of both a parabolic panel and of the Papilio butterfly's hexagonal celled wings were made. The temperature of each model was recorded over a period of 4 days, to conclude which format of solar cells captured and utilized the sun's radiated heat and energy most efficiently.